

The following annual reports were read and referred to the Publication Committee:—

### REPORT OF THE RECORDING SECRETARY.

The meetings of the Academy have been held during the year 1891 without intermission. On no occasion, even in midsummer, has there been lack of a quorum. The co-operation of the several Sections of the Academy has been continued on the appointed evenings with gratifying results. The average attendance has been fifty-two as compared with thirty of the year before. The increase has been due to three or four meetings where the attendance ranged from 183 to 398, due to the special interest of the occasion, such as the Leidy memorial addresses and the reports of the Greenland Expedition. Even excluding these, the attendance has been somewhat greater than that of last year, which itself showed a gratifying increase over former years. Such statistics may be worth recording as they indicate a sustained and increasing interest which can only be due to the number and value of the communications presented for the consideration of the meetings. Subjects distributed over the entire field of natural history have been discussed by Messrs. Leidy, Heilprin, Meehan, Chapman, Horn, Ives, Ryder, Sharp, Pilsbry, Allen, Koenig, McCook, Woolman, English, Foote, Rand, Martindale, Skinner, Rex, Wingate, Ford, Wilson, Peary, Osborn, Cheston Morris, Trotter, Dall, Rothrock, D. G. Brinton, J. B. Brinton, Willcox, Holman, Stiles, Holt, U. C. Smith, Goldsmith, MacFarlane, Bonsal, Cope and Hughes.

One hundred and forty-three pages of the Proceedings for 1890 and 408 of the volume for 1891 have been issued, the former being illustrated by eight plates and the latter by seventeen. During the same period there have been prepared and distributed to subscribers 631 pages, illustrated by 139 colored plates, of the Manual of Conchology under the auspices of the Conchological Section, while 500 pages of entomological matter, illustrated by 20 plates, have been issued by the American Entomological Society and the Entomological Section of the Academy, thus making a total of 1682 pages and 184 plates supplied to subscribers and exchanges during the year by the Academy through its Publication Committee and its Sections. In this department of its work the Academy is therefore far in ad-

vance of any other society in America and is equalled by but few elsewhere.

Thirty-nine papers have been presented for publication as follows:—J. E. Ives 4, H. A. Pilsbry 3, Witmer Stone 3, Charles Earle 2, E. D. Cope 2, Harrison Allen 2, R. W. Shufeldt 2, Edward Bancroft 1, H. C. Chapman 1, H. C. Chapman and A. P. Brubaker 1, J. B. Ellis and B. M. Everhart 1, Edw. Goldsmith 1, John Ford 1, Ashdown H. Green 1, Angelo Heilprin 1, H. F. Osborn 1, W. H. Dall and H. A. Pilsbry 1, G. Baur 1, Charles R. Keyes 1, Jos. Leidy 1, F. Lamson Scribner 1, Geo. A. Koenig 1, O. C. Marsh 1, Thomas Meehan 1, Geo. A. Rex 1, Theodore D. Rand, Wm. W. Jeffëris and J. T. M. Cardeza 1, John Eyerman 1 and Samuel N. Rhoads 1.

Thirty-six of these have been accepted for publication in the Proceedings, two for the Journal and one has been returned to the author. It is to be regretted that the limited means at the disposal of the Publication Committee has rendered it necessary to delay the printing of some of the papers reported on favorably. In common with all the departments of the Academy the Publication Committee feels acutely the necessity for increased resources. It is due, not only to the members of the Society but also to our exchanges, from some of whom we receive more than we give, that papers of value presented for publication be issued promptly and with illustrations worthy of the Academy's position in the scientific world. It is true that the volume of Proceedings about being completed will compare favorably with the greater number of those received in exchange, but we are indebted wholly or in part for several of the plates to contributors and others, and it is most desirable that the Publication Fund should be so increased as to place us beyond the necessity for such assistance.

Thirty-nine members and three correspondents have been elected. During the year the deaths of fourteen members and three correspondents have been announced and the resignations of seven members, namely, F. A. Genth, Jr., John T. Montgomery, Mrs. C. Stevenson, Wm. Gerlach, A. G. B. Hinckle, E. Fronani and S. G. M. Montgomery have been accepted, thus leaving an increase of eighteen in the list of active members at the end of the year.

The death of the President, Dr. Joseph Leidy, April 30, entailed a severe loss, not only on this society but on science everywhere. To his modesty and amiability was due the warm personal affection felt

for him by all with whom he was placed in intimate association, a feeling but rarely met with except among those united by blood or by close social ties. Engaged as he had been in the uninterrupted service of the Academy as Librarian, Curator and President for nearly half a century, it is evident that only the possession of rare qualities as a man and a scholar could have enabled him to retain the confidence of a varying constituency during such a prolonged period. A memorial meeting, impressive because of the sincerity of the sentiments of esteem and regard expressed, was held May 12th. The personal history of the deceased President was read with loving appreciation by Dr. Wm. Hunt, his intimate associate since early manhood; the various sections of his widely distributed scientific work were reviewed by Dr. Harrison Allen, Dr. H. C. Chapman, Mr. Joseph Willcox, and Dr. James Darrach, his personal character and services to the Academy being commented on by the Recording Secretary.

In consequence of the repetition and overlapping which is unavoidable in such independently prepared papers, it was deemed advisable that a continuous biographical notice should be presented for publication. This duty, on the invitation of the Academy, was admirably performed by Dr. Henry C. Chapman whose intimate knowledge of the man and his work specially fitted him for the appointment. The photogravure portrait published with the memoir admirably represents Dr. Leidy as he was known to the present generation of Academicians, without indicating any of the changes due to the sickness and exhaustion of his last months of life.

As a further mark of respect to his memory the Academy resolved to leave the presidential chair vacant until the end of the year. His curatorship was filled by the election, June 2, of Dr. Henry C. Chapman who was also placed by the Council on the Library Committee.

Mr. Aubrey H. Smith, a member of the Council, having died April 14th, Mr. Chas. E. Smith was elected to fill the vacancy. He was also appointed on the Publication Committee to fill the vacancy caused by the death of Dr. Leidy.

The formation of an Ornithological Section was authorized May 26. It has since been organized with, it is believed, immediate benefit to the department of the Academy with which it is connected.

The Council appointed Messrs. Angelo Heilprin, J. P. Lesley, Persifer Frazer, W. B. Scott and Benjamin Smith Lyman as the

Committee on the Hayden Memorial Geological Award. On the report of this committee the second medal, together with the balance of interest arising from the Fund, was voted by the Academy October 20th, to Edward Drinker Cope in recognition of the value of his services to geological and paleontological science.

Chapter I of the By-Laws was amended by the addition of Article X:—No member shall be eligible to the office of President for more than four consecutive years.

All of which is respectfully submitted.

EDW. J. NOLAN,  
*Recording Secretary.*

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### REPORT OF CORRESPONDING SECRETARY.

The Corresponding Secretary respectfully reports that during the past year commencing December 1st, 1890, he has received from sixty-eight Societies, Museums, etc., one hundred and thirty-one notices of the receipt of the publications of the Academy; thirty-two notices from Societies, Museums, etc., of the forwarding of their own publications. There has been received twenty applications to exchange publications, for reports, and asking for missing numbers of the Academy's publications. Twenty-five letters on various subjects, together with four invitations to the Academy and its members to participate in congresses, meetings, etc. have been received and answered. Six notices of deaths have been received.

During the year three Correspondents have been elected and notices to that effect have been forwarded to them; the acknowledgement of one of these has been received. Nine certificates of Correspondentship were forwarded to those elected during the past year, four of which have been acknowledged.

Respectfully submitted,

BENJAMIN SHARP,  
*Corresponding Secretary.*

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### REPORT OF THE LIBRARIAN.

The Librarian respectfully reports that the accessions to the library of the Academy from November 30, 1890, to December 1, 1891, amount to 4335, an increase of 156 over the additions of the